



# Work Order (Bid Form)

## WORK ORDER INFORMATION

**Work Order Name:** WO/10010MC2280/1

**Work Order Type:** Weatherization

**Audit Name:** Audit 2280

## CLIENT INFORMATION

**Client Name:** N/A

**Address:** N/A

**Client ID:** 10010MC2280

Goodlettsville, TN 37072

**Alt. Client ID:** Sumner

## CLIENT CONTACT INFORMATION

N/A

Applicant/Person of  
Record

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## AGENCY INFORMATION

**Agency:** Mid-Cumberland Community Action Agency

**Agency Phone:** (615) 742-1113

**Address:** (PO Box 310) 233 Legends Drive  
Lebanon, TN 37088

**Fax:** (615) 742-3911

**Email Address:**

**Company Name & License Number:** \_\_\_\_\_

**Contractor's Signature:** \_\_\_\_\_

## COMMENT

This is a single wide mobile home having 914 sq feet. This mobile home was built in 1987. Home has a pitched gable roof with roofing shingles covering the roof surface.

All measures to be done as per TWFG and DOE requirements. Must also satisfy local code requirements.

Audit by John Batey, ph#615-767-8667

## Measures

### Measure 1 General Air Sealing

### Components

Inspected

**Comment** Pre audit reading of 3766CFM@50pa, Target of 2636CFM@50pa. Target must be achieved to pass measure. Home must not be brought down below 1200 CFM without prior approval from MCCA.

This home has duct system that is in VERY poor. Air leakage was very high in the homes duct system. In another measure the HVAC system is being replaced with Window AC/Heatpump units. Auditor feels that if floor registers are air-sealed and closed off that the homes air leakage target may be reached with this simple fix. If other air-leakage work is needed to meet target requirements, there is a hole in the closet behind the hall bath tub unit that could be sealed. There is also a sizable air leak at the front skirt of a garden tub in the master suite.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	General air sealing (setup cost)	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	Miscellaneous Su	Infiltration Reduction	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Other Detail

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Measure Sub Total:

Sub Total:

#### Field Notes:

Client Name: N/A

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Work Order Name: WO/10010MC2280/1

Report Run On: 12/28/2011

DOE Weatherization Assistant

Version 8.6.0

Page 2 of 7

**Measure 2 Lighting [Bedroo][4]****Components** Light 1**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Lighting	Compact Fl. -13 Watt	Each	4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Compact Fl. -13 Watt	Each	4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:****Measure 3 Lighting [Family][4]****Components** Light 2**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Lighting	Compact Fl. -13 Watt	Each	4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Compact Fl. -13 Watt	Each	4	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:**

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Report Run On: 12/28/2011

DOE Weatherization Assistant

Version 8.6.0

Page 3 of 7

**Measure 4 Lighting [Kitcher][3]****Components** Light 3**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Lighting	Compact Fl. -13 Watt	Each	3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Compact Fl. -13 Watt	Each	3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:****Measure 5 Lighting [Hall][1]****Components** Light 4**Inspected****Comment**☐

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Lighting	Compact Fl. -13 Watt	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Compact Fl. -13 Watt	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:**

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DOE Weatherization Assistant

Version 8.6.0

Page 4 of 7

Measure 6 DWH Pipe Insulation				Components				Inspected	
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DWH Pipe Insulation	Each	1					
2	Labor	DWH Pipe Insulation	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		
Field Notes:									

Measure 7 DWH Tank Insulation				Components				Inspected	
Comment									
				Estimated		Actual			
#	Material / Labor	Description / Comment	Units	Qty	Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	DWH Tank Insulation	Each	1					
2	Labor	DWH Tank Insulation	Each	1					
Other Detail									
Measure Sub Total:							Sub Total:		
Field Notes:									

**Measure 8 Replace Heating [Electric]****Components****Inspected**☐

**Comment** Home currently has a all inside package heat pump that is currently non-functional as a heat pump and only operates in electric furnace mode. This package unit draws air for the heat exchange coil from the crawl space area and expells this air through the ceiling/roof with a round approx 20" duct. As part of this system replacement, this package unit is to be removed/properly disposed, and the floor/ceiling sealed with plywood and drywall as appropriate. Wiring for this unit is to be disconnected at the breaker box for safety purposes. Homes current duct system is in VERY poor condition and seems to be beyond repair. Auditor noticed areas of the duct work that appeared to be so deteriorated that holes were clearly evidident through the metal duct work from what can only be assumed to be some type of corrosion. This very poor duct system is a major source of very high blower door numbers and is addressed as a recommended item under the air infiltration reduction targeted goal.

Replacement system is to be a minimum of 2 window type heat pump units with a total heating output rating of approx 22kbtu's. Wiring and all installation for these two units is to be included. Home does have a GE 200 amp convential breaker box.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Heating Equipme	Replacement elec furnace (not used)	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Replacement elec furnace (not used)	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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**Measure Sub Total:****Sub Total:****Field Notes:**

**Measure 9 Roof Fiberglass Loose****Components****Inspected**☐

**Comment** The home has a conventional asphalt shingle roof that is in poor repair. On the north end of the trailer, there appears to be approx 10 to 15 shingles missing or broken. There is also approx 10 shingles at the trailer overhang that have the 1" of single overhang that has broken off. This has allowed for a few small roof leaks inside the clients home. These small roof leaks are to be addressed as part of this measure. Auditor estimates that approx 2 bundles, 2/3 square, of standard 3 tab shingles will repair all of the homes current roof leaks.

There is also kitchen hood stove pipe, (round 5") that is currently disconnected just where the pipe leads into the attic area. It appears that approx 4 or 5 inches of this vent piping is missing or has been pushed into the attic area. Reconnection of this kitchen vent pipe is also part of this measure.

#	Material / Labor	Description / Comment	Units	Qty	Estimated		Actual		
					Unit Cost	Total	Qty	Unit Cost	Total
1	Insulation	Roof Insulation - Fbergls,Blwn	Bag	14	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	Labor	Roof Insulation - Fbergls,Blwn	Bag	14	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	Miscellaneous Su	Roof leak repair	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
20	Labor	Roof leak repair-Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
30	Miscellaneous Su	Repair kitchen hood exhaust	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
40	Labor	Repair kitchen hood exhaust-Labor	Each	1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Other Detail**

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Measure Sub Total:****Sub Total:****Field Notes:****Work Order Grand Total:****Grand Total:**

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Version 8.6.0

Page 7 of 7